

THREE NEW CANADIAN ANTHOMYIIDÆ (DIPTERA).

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The three species described in this paper were submitted to me for identification, and in order to include them in synopses which are ready for the press, they are now described in full.

The generic name *Aricia* R.D., is preoccupied and the next available one *Helina* R.D., is used in this paper.

***Helina fletcheri*, sp. n.**

Male.—Black, so densely covered with gray pruinescence as to appear opaque gray. Orbits, face and cheeks with silvery pruinescence, antennæ and palpi black. Thorax without vittæ. Abdomen with a faint dark dorso-central vitta, and a pair of small brown spots on segment 2 and another on segment 3. Legs black. Wings clear, veins pale, yellow at bases. Calyptræ and halteres pale yellow.

Eyes bare, separated by about 3 times the width across posterior ocelli; interfrontalia at its narrowest part a little wider than either orbit; each orbit with 3 or 4 strong bristles and one or two weak hairs parafacial at base of antennæ about as wide as third antennal segment, a little narrowed below; cheek not over twice as high as width of parafacial, with a series of bristles along lower margin, 2 or 3 of which, below anterior margin of eye, are upwardly curved a bristle above vibrissa; longest hairs on arista a little shorter than width of third antennal segment. Thorax without strong presutural acrostichals or prealar bristle; postsutural dorso-centrals 3; sternopleurals 3, in a nearly equilateral triangle. Abdomen cylindrical, slightly tapered behind; tergites 3 and 4 each with transverse median and apical bristles; hypopygium large but not protuberant, fifth sternite with a rather wide, deep, wedge-shaped posterior excision, a few long bristles on each lateral extension. Fore tibia with or without a median bristle, only the dorsal apical bristle strong; fore tarsus about equal in length to fore tibia; all pulvilli longer than apical tarsal segment mid femur with a complete series of long, strong bristles on postero-ventral surface, the antero-ventral surface bare; mid tibia with 1 weak antero-dorsal and 2 or 3 posterior bristles; hind femur with a series of long bristles on postero-ventral surface and another on apical half of antero-ventral; hind tibia with 2 or 3 short bristles on antero-ventral and postero-dorsal surfaces and 2 longer bristles on antero-dorsal, the apical antero-dorsal bristle long. Costal thorn small, outer cross-vein straight; veins 3 and 4 divergent apically; last section of fourth vein over twice as long as the preceding.

Length 5 mm.

Type.—Radisson, Sask., July 30, 1907, (J. Fletcher), in the Canadian National Collection.

This species has the appearance of a *Coenosia*. It differs from any other North American species known to me in having the eyes widely separated, the femora very strongly bristled and the postsutural bristles 3 in number.

***Hylemyia pedestris*, sp. n.**

Male.—Black, slightly shining, densely gray pruinose. Head black, orbits, face, and cheeks with white pruinescence; palpi largely yellowish basally. Thorax with 5 black vittæ—a narrow median, two narrow submedian, and two